

**ENERGY AND ENVIRONMENT CABINET**  
**Proposed Projects Involving the General Fund (cash or bonds)**  
(amounts in **bold** are the total budget)

**2012-2014**

(Projects listed by cabinet priority; descriptions are from the agency submission)

- 1. Mine Safety, Licensing & Mapping Application** **\$972,000**

The 2006 and 2007 sessions of the General Assembly passed several new laws for mine safety. The existing application needs major enhancements so that the agency can more easily track suspensions, probations, revocations, and reinstatements of certificates for those miners found in violation of their drug/alcohol free status, KRS 351.120(12). Readily available images of underground mines will enhance safety and rescue efforts, as well as decrease response time in the event of an environmental emergency. (IT) *DNR Priority #1*

CPAB Staff Notes:

  - *This project was included in the Cabinet's 2010-2016 plan (Cabinet Priority #1, \$965,000 GF.)*
  - *The Mine Safety Bill of 2006 along with HB 207 authorizes the Commissioner to assess penalties against those licensed operations in violation of certain mine safety laws. Enhancements to the existing application and database are required to comply with these new mine safety laws*
  
- 2. Paper Shredder** **\$305,000**

Acquire a new document shredding system for our KY Government Recycling Section. The proposal is a complete paper\document shredding system including shredder\grinder; drag chain conveyor, flat bed in feed conveyor, horizontal auto tie baler, and hydraulic cart\gaylord tipper. The new shredder\grinder will replace one that is 15 years old and becoming too expensive to repair. (EQ) *DEP Priority #1*

CPAB Staff Notes:

  - *This project was included in the Cabinet's 2010-2016 plan (Cabinet Priority #2, \$285,000 GF.)*
  
- 3. Tempo System Upgrade** **\$914,000**

The Ky. Department for Environmental Protection (KYDEP) is required to manage and transmit environmental data to U.S. Environmental Protection Agency's (USEPA) national databases, and make it available to other state and local agencies and Ky. citizens. This update of the current Tools for Environmental Management Programs and Organizations (TEMPO) system is designed to address these requirements and support the agencies' strategic objectives by implementing an upgraded and web-enabled version of KYDEP's data management platform. This TEMPO upgrade will improve communication of scientific data and assist in quicker permit review and issuance and accurate decision-making. (IT) *DEP Priority #2*

CPAB Staff Notes:

  - *New project request*

- 4. Wildland Fire Equipment Replacement Schedule** **\$3,000,000**  
The Kentucky Department of Forestry (KDF) currently has 36 bulldozers with transports that are beyond the industry standard of a 15-year replacement schedule. That is over 70% of KDF's dozers. These units are first responder emergency vehicles and KDF's first line of defense when combating wildland fires which threaten the life and property of Kentuckians statewide. (EQ) *DNR Priority #2*  
CPAB Staff Notes:
- *Funding in the amount of \$3,000,000 is requested for the next two biennia.*
  - *This proposal will establish a 15-year replacement schedule for bulldozers and trucks (transports) that carry the dozers. Under this replacement schedule, six units would be replaced annually.*
- 5. Maintenance Pool for Cabinet Owned Facilities** **\$1,585,000**  
Maintenance pool project is necessary to preserve existing Cabinet Real Property in a usable, safe, and functional condition. (C-PI) *Secretary's Office Priority #1*  
CPAB Staff Notes:
- *Maintenance pool funds of \$200,000 (GF) are also requested for the next two biennia.*
  - *The Cabinet currently has 16 sites with numerous Cabinet-owned buildings and structures on them with a value of approximately \$2.5 million assessed on the facilities. Major repairs or renovations prior to this funding were undertaken only in emergency situations. There is currently a backlog of maintenance and repairs needed on these facilities due to lack of funding in prior biennia.*
- 6. Maxey Flats Cap (Final Closure Period)** **\$33,186,000**  
Funding requested for final closure of the Maxey Flats low-level radioactive waste facility located in Fleming County. (C-O) *DEP Priority #3*  
CPAB Staff Notes:
- *This project was included in the Cabinet's 2010-2016 plan (GF \$27,520,000.)*
  - *The project scope is funded with \$15,000,000 GF and \$18,186,000 Other Funds (cash).*
- 7. 2-Way Radio System Upgrade** **1,002,000**  
The existing 2-way Radio Repeater System owned by the Division of Forestry (KDF) was purchased and installed in 2001 through a capital plan project. As is the case with technology, the division's system has become outdated and the upcoming requirement for conversion to digital requires the division to upgrade its current system to comply with FCC regulations. *DNR Priority #3*  
CPAB Staff Notes:
- *This is a new project request.*
  - *This request will convert the division's existing system of base station, mobile, and handheld radios.*

- 8. Engineering Standards Laboratory** **\$300,000**  
In order to ensure the accuracy of customer electric meters, 807 KAR 5:041 requires that the Public Service Commission (PSC) test electric utilities' master watt-hour standard and its master indicating voltmeter and ammeter. Testing and calibration is required to ensure that Commonwealth utility meters are accurate to the national standard for billing purposes. Purchase of the Radian Calibration System and ancillary equipment is necessary. (EQ) *PSC Priority #1*  
CPAB Staff Notes:
- *New project request*
  - *This is a new project to reactivate the current engineering standards laboratory which is no longer functional. The project requires staffing of four positions at a cost of \$200,000 and associated, various, non-capital instrumentation for \$175,000.*
- 9. State-Owned Dam Repair** **\$4,000,000**  
The Cabinet is required under KRS 151.291 to assure dams owned by the Commonwealth comply with dam safety regulations. The Commonwealth owns 73 dams across the Commonwealth. Some of these dams become high hazard due to development and or need of repairs. Funding is required to administer the necessary repairs for compliance. (C-O) *DEP Priority #4*
- 10. Replenish soils at John Rhody and Morgan County Nurseries** **710,000**  
The Division of Forestry is mandated in KRS 149.010 to "...grow, collect, and distribute seedlings..." The nurseries are over 50 years old and soil is depleted. EEC is requesting to add two feet of 50% sand and 50% topsoil mixed over the 50 acres of production area at the John P. Rhody Nursery in Marshall County and remove a four-acre clay area at the Morgan County Nursery and replace with two feet of 50% sand and 50% topsoil mixed. (C-PI) *DNR Priority #4*
- 11. Acquire and Construct a New Tree Nursery** **\$6,028,000**  
The Division of Forestry currently operates two tree nurseries producing four to five million tree seedlings annually to be replanted throughout the Commonwealth. Reforestation projects include mine reclamation, carbon sequestration and ethanol plantations. These nurseries have been in constant use for over 50 years, resulting in the depletion of soil and soil nutrients resulting in a 40% decrease in production. The Division proposes the acquisition and construction of a 250-acre nursery that will allow for the retirement of the John P. Rhody Nursery in Gilbertsville and the Morgan County Nursery. *DNR Priority #5*  
CPAB Staff Notes:
- *This project was included in the Cabinet's 2010-2016 plan, second biennium, at the same funding level.*
  - *The consolidation of these two nurseries would reduce the number of staff from 11 full-time to five interim positions. The estimated net salary and fringe savings for the eleven positions is \$216,100.*
  - *Funding of this project would eliminate the need for the "Replenish soils at John Rhody and Morgan County Nurseries project."*

**ENERGY AND ENVIRONMENT CABINET**  
**Proposed Projects Involving the General Fund (cash or bonds)**  
(amounts in **bold** are the total budget)  
(*cont'd*)

**2014-2016**

(Projects listed in alphabetical order)

Maintenance Pool for Cabinet-Owned Facilities	\$ 200,000
State-Owned Dam Repair	5,000,000
Wildland Fire Equipment Replacement Schedule	3,000,000

**2016-2018**

(Projects listed in alphabetical order)

Maintenance Pool for Cabinet-Owned Facilities	\$ 200,000
State-Owned Dam Repair	4,000,000
Wildland Fire Equipment Replacement Schedule	3,000,000

**ENERGY AND ENVIRONMENT CABINET**  
**Proposed Projects NOT Involving the General Fund, Road Fund, or Agency Bonds**  
(amounts in **bold** are the total budget)

**2012-2014**

(Projects listed in alphabetical order)

**Hazardous Waste Management Fund** **\$4,200,000** RF  
Funds are needed for the clean up of Superfund sites and emergency cleanup of spills and abandoned sites containing hazardous substances posing an immediate danger to public health and the environment. (C-PI)

**Kentucky Heritage Land Conservation Fund Add'l** **\$8,000,000** RF/FF  
The Kentucky Heritage Land Conservation Fund (KHLCF) was established to protect Kentucky's finest natural and wildlife habitat areas. The 1994 General Assembly passed HB 368 which provided funds for this purpose through the collection of environmental fines, the state share of the unmined minerals tax, the sale of environmental license plates, donations and interest. The Kentucky Heritage Land Conservation Fund Board is authorized under KRS 146.560 to 146.570 to award grants for the acquisition and management of selected natural areas that meet specific criteria. (C-O)

**State-Funded Leaking Underground Storage Tanks Additional** **\$1,000,000** RF  
The funds are needed for emergency cleanups and contractors sites with leaking underground storage tanks as provided for by the Petroleum Storage Tank Environmental Assurance Fund. (C-PI)

**2014-2016**

(Projects listed in alphabetical order)

Hazardous Waste Management Fund	<b>\$4,200,000</b>	RF
Kentucky Heritage Land Conservation Fund Add'l	<b>8,000,000</b>	RF/FF
State-Funded Leaking Underground Storage Tanks Additional	<b>1,000,000</b>	RF

**2016-2018**

(Projects listed in alphabetical order)

Hazardous Waste Management Fund	<b>\$4,200,000</b>	RF
Kentucky Heritage Land Conservation Fund Add'l	<b>8,000,000</b>	RF/FF
State-Funded Leaking Underground Storage Tanks Additional	<b>1,000,000</b>	RF